"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2

BAZAVAN, I.; IONESCU, E.; ROZENBERG, S.

Dyeing polyamide and cellulose fiber blends with domestic dyes. p.410

INDUSTRIA TEXTILA. (Asociatia Stintifica a Inginerilor si Tehnicienilor din Rominia si Ministerul Industriei Usoare)
Bucuresti, Rumania
Vol. 10, no.10, Oct. 1959

Monthly List of East European Accessions (EEAI) LC., Vol. 9, no. 1, Jan. 1960
Uncl.

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SANIELEVICI, H.; SPILIADIS, A.; HILSENRATH, M.; BAZAVAN, I.; FAIBIS, R.

Contributions to the synthesis of the dyestuff Direct Copper Resistant Blue GL, similar to Benzoechtkupferblau GL. Rev chimie Min petr 12 no.7:392-398 Jl '61.

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2

BAZAVAN, I., ing.; SANDULESCU, Valeria, ing.; FAIBIS, Rozina, chimist [deceased]

Method to determine the solubility of water-soluble dyestuffs. Ind text Rum 13 no.6:226-228 Je '62.

1. Laboratorul central coloristic al Ministerului Industriei Petrolului si Chimiei.

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2

BAZAVLUK, I. YU.

"Correlating several morphological characters with early fruiting and ripening in the apple."
N.I. Dubrovitskaya, V.Yu. Bazavluk. Trudy Glav. bot. sada 2 1951

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2

MEDVEDEVA, G.; BAZAVLUK, V. [authors]; MODYLEVS'KYY, Ya.S.[reviewer].

"Sterility of branched wheat." G.Medvedeva, V.Bazavluk. Reviewed by Ia.S. Modylevs'kyi. Bot.zhur.[Ukr.] 8 no.3:88-89 '51. (MLRA 6:9)
(Wheat) (Medvedeva, G.) (Bazavluk, V.)

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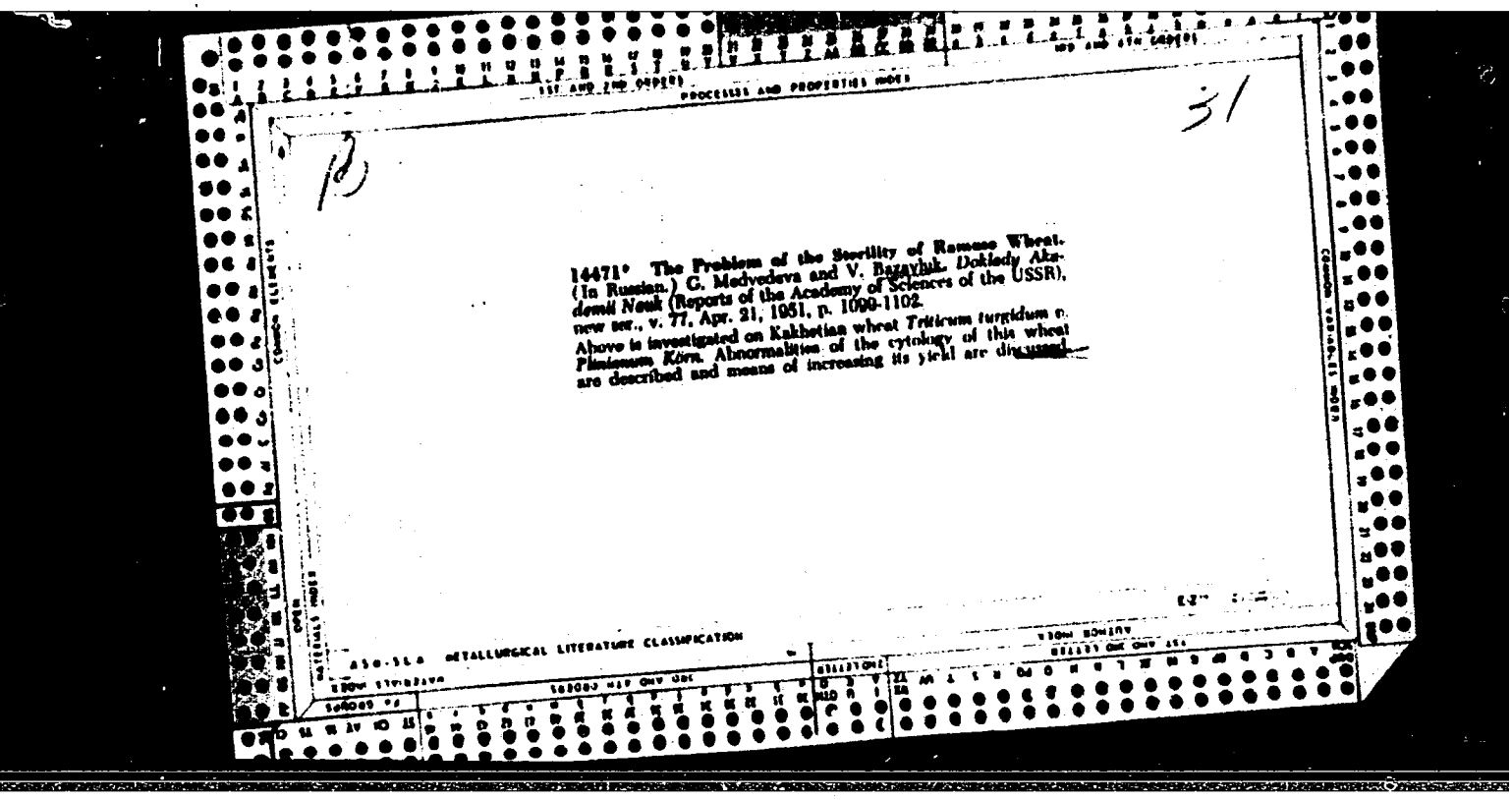
"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2



14471* The Problem of the Sterility of Remote Wheat. (In Russian.) G. Medvedeva and V. Bazavluk. *Doklady Akademii Nauk* (Reports of the Academy of Sciences of the USSR), new ser., v. 77, Apr. 21, 1951, p. 1099-1102.
Above is investigated on Kakhetian wheat *Triticum turgidum* v. *Plinianum Kcrn.* Abnormalities of the cytology of this wheat are described and means of increasing its yield are discussed.

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2

1. V. YU BAZAYUK

2. USSR (600)

4. Chimeras (Botany)

7. Graft chimeras are vegetative hybrids with mixed heredity. V. YU Bazaviuk. Trudy Inst. gen. no. 19. 1952.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2

1. BAZAVLUK, V. YU.; MEDVEDEVA, G. B.

2. USSR 600

4. Plants, Effect of Light on

7. Effect of light on the development of the spike in hybrids of soft wheats with branched wheat, Trudy Inst. gen, No. 19, 1952.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

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1. BAZAVLUK, V. YU.; MEDVEDEVA, G. B.
2. USSR (600)
4. Wheat
7. Biology of the flowering of branched wheat, Trudy Inst. gen., No. 19, 1952.

9. Monthly List of Russian Accessions, Library of Congress, April, 1953, Uncl.

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2"

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BAKAVLUK, V. Yu.

Effect of limited and excessive pollination on seed formation and development of progeny in Mirabilis jalapa. Trudy Inst. gen. no.20: 94-99 '53. (MLRA 7:1)

(Four-o'clock) (Fertilization of plants)

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2

MEDVEDEVA, G.B.; BAZAVLUK, V.YU.

Practice of controlled influence on the change in form of hybrids by means of germ transplantation. Trudy Inst.gen. no.20:100-105 '53. (MLRA 7:1)

(Hybridization) (Plant breeding)

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2

BAZAVLUK, V. Yu.

Dissertation: "Various Inheritable Qualities of the Body of Plant Organisms." Cand Biol Sci, Inst of Genetics, Acad Sci USSR, 28 Jun 54. (Vechernyaya Moskva, Moscow, 18 Jun 54)

SO: SUM 318, 23 Dec 1954

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2

BAZAVLUK, V. Yu.

USSR/General Biology - Genetics.

B-5

Abs Jour : Ref Zhur - Biol., No 7, 1958, 28582

Author : Bazavluk, V.Yu.
Inst : -
Title : Manifestations of Features of Two Paternal Forms which Participated in Pollination of Mirabilis Jalapa.

Orig Pub : Tr. In-ta genetiki AN SSSR, 1956, No 28, 65-78

Abstract : The progeny of a white-flowered form of Mirabilis which was pollinated by a mixture of lilac-flowered and yellow-blowered varieties, was analyzed. The appearance in the offspring of such crosspollination of plants with white, lilac, yellow and variegated flowers is explained by the author by the participation of several pollinators in the pollination. In the article, the character of heredity in Mirabilis coloration of flowers and the existence of heterozygote forms of flower colors is not discussed.

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2

ANDRIANOV, A. M., BAZELEVSKAYA, O. A., LUK'YANOV, S. Yu., OSOVETS, S. M., PETROV, Yu. F., PODGORNY, I. M. and YAVLINSKIY, N. A.

"Investigation of the Heating Of Hydrogen Plasma in Small Toroidal Systems." (Work carried out in 1951); pp. 42-65.

The Physics of Plasmas; Problems of Controlled Thermonuclear Reactions." Vol I. 1958, published by Inst. Atomic Energy, Acad. Sci. USSR. resp. ed. M. A. Leontovich, editorial work by V. I. Kogan.

Available in Library

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BAZAVLUK, V.Yu.

Can the production of polyploid forms be used as a method of breeding solanaceous plants. Trudy Inst. gen. no.24:167-181 '58.

(Polyploidy) (Tomato breeding) (Nightshade) (MIRA 11:9)

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BAZAVLUK, V.Yu.

Formative processes in the hybridization of branched Kakhetian wheat with soft winter wheats. Trudy Inst. gen. no.24:182-194 '58.
(Wheat breeding) (MIRA 11:9)

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BAZAVLUK, V.Yu.

Making use of the heterogeneity of root buds of the sugar beet to increase its sugar content. Trudy Inst. gen. no. 27:131-141 '60. (MIRA 13:12)
(Sugar beets) (Buds) (Seed production)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2

BAZAVLUK, V.Yu.

Interspecific chimeras. Trudy Inst. gen. no.28:96-102 '61.
(MIRA 14:11)
(CHIMERAS (BOTANY)) (GRAFTING) (NIGHTSHADE)

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2

BAZAVLUK, V.Yu.

Intervarietal chimeras of cabbage and the behavior of their progeny. Trudy Inst. gen. no.29:72-88 '62. (MIRA 16:7)

(Cabbage) (Chimeras(Botany))

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2

BAZAVLUK, V.Yu.

Characteristics of the development of interspecific chimeras of nightshades. Trudy Inst. gen. no.29:89-105 '62. (MIRA 16:7)

(Nightshade) (Chimeras(Botany))

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BAZAVLUK, V.Yu.

Intra- and interspecific chimeras and the behavior of their progeny grown from seed; intraspecific chimeras of cabbage. Zhur. ob. biol. 23 no.2:98-108 Mr-Ap '62. (MIRA 15:5)

1. Institute of Genetics, Academy of Sciences of the U.S.S.R.
(CABBAGE) (CHIMERAS (BOTANY))

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2

BAZAVLUK, V.Yu.

Intra- and interspecific chimeras and the behavior of their offspring; interspecific chimeras of plants of the nightshade family. Zhur.ob.biol.23. no.6:441-454 N-D'62. (MIRA 16:7)

1. Institute of Genetics, Academy of Sciences of the USSR.
(NIGHTSHADE) (CHIMERAS (BOTANY))

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BAZAVLUK, V.Yu., kand.biolog.nauk

Increase of sugar content in sugar beets. Vest. AN SSSR 32 no.2:51-53 F '62. (MIRA 15:2)
(Sugar beets)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2

BAZAVLUK, Valentina Yur'yevna; TETYUREVA, I.V., red.

[Inherited heterogeneity of tissues in plants] Nasledstvennaia neodnorodnost' tkanei u rastenii. Moskva, Izdvo "Kolos," 1964. 44 p. (MIRA 17:8)

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BAZAYEV, A.G.

Toward full expansion of the supply of building materials and equipment to the construction industry. Stroi. mat. 7 no. 1:4-9 Ja '61. (MIRA 14:1)

1. Nachal'nik Upravleniya promyshlennosti stroitel'nykh materialov sovnarkhoza BSSR.
(White Russia—Building materials industry)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2

Bazayeva, L.A.

USSR/Chemical Technology - Chemical Products and Their Application. Ceramics. Glass. Binders. Concrete. H-7

Abs Jour : Referat Zhur - Khimiya, No 1, 1958, 2073

Author : Pevzner E.D., Bil'dyukevich V.L., Bazayeva L.A.

Inst : Scientific Research Institute of Building Materials of the Ministry of Building Material Industry, Belorussian SSR

Title : Putting in Production the Manufacture of Gypsum-Fiber Panels at the Minsk Combine of Building Materials.

Orig Pub : Sb. nauchn. rabot. N.-i. in-t stroymaterialov M-va prom-sti stroit. materialov BSSR, 1957, No 5, 233-240

Abstract : Description of the technology of production of gypsum-fiber panels in which refuse from dressed flax is used.

Card 1/1

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2

BELONOSOV, I.I.; BOBROVA, A.S.; KAS'YANENKO, G.P.; KOTIKOV, S.F.; KULINCHENKO, A.A.; SMIRNOVA, Yu.A. Prinimal uchastiye: MAKSAKOV, V.V., prof.. KABANOV, P.I., prof., glavnyy red.; ANTROPOV, N.P., dotsent, red.; BAZAYEV, M.G., red.; VINOGRADOV, D.I., red.; VESELKINA, A.A., red.; SHADRINA, N.D., tekhn.red.

[Guide] Putevoditel'. No.1. 1958. 367 p. (MIRA 12:8)

1. Vsesoyuznyy tsentral'nyy sovet professional'nykh soyuzov. TSentral'nyy arkhiv. 2. Sotrudniki TSentral'nogo arkhiva Vsesoyuznogo tsentral'nogo soveta professional'nykh soyuzov (for Belonosov, Bobrova, Kas'yanenko, Kotikov, Kulinchenko, Smirnova).
(Trade unions)

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2

PETROV, L.K., otv. red.; BAZAYEVA, L.A., red.; ITSKOVICH, S.M., red.; KORENEVICH, N.P., red.; KOROBEYNIKOV, Yu.Ye., red.

[Agloporite and agloporite concrete] Agloporit i agloporito-beton. Minsk, Nauka i tekhnika, 1964. 390 p. (MIRA 18:5)

1. Minsk. Gosudarstvennyy nauchno-issledovatel'skiy institut stroymaterialov.

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BAZAYEVA, V.A., inzh.

Intercommunication system for ticket offices. Avtom., telem. i sviaz' 5 no.5:31-32 My '61. (MIRA 14:6)

1. Tekhnicheskiy otdel sluzhby signalizatsii svyazi L'vovskoy dorogi.
(Railroads—Communication systems)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2

ANDREYENKO, G.V.; BAZAZ'YAN, G.G.; SYTINA, N.P.

Protective effect of combined introduction of fibrinolysin with heparin against thrombogenesis in animals in prethrombotic state and in experimental atherosclerosis. Biul. eksp. biol. i med. 60 no.7:31-34 Jl '65. (MIRA 18:8)

1. Laboratoriya fiziologii i biokhimii svertyvaniya krovi (zav.- prof. B.A. Kudryashov) Moskovskogo universiteta.

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2

BAZAZ'YAN, G.G.

Changes in the thromboplastic activity of blood in animals during radiation injury produced by β-rays of radioactive phosphorus. Vest.Mosk.un.Ser.6: Biol., pochv. 15 no.1:3-8 '60. (MIRA 13:8)

1. Laboratoria fiziologii i biokhimii svertyvaniya krovi Moskovskogo gosudarstvennogo universiteta.
(BETA RAYS--PHYSIOLOGICAL EFFECT)
(BLOOD--COAGULATION)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2

KUDRYASHOV, B.A.; ANDREYENKO, G.V.; BAZAZ'YAN, G.G.; KALISHEVSKAYA, T.M.; PASTOROVA, V.Ye.; SYTINA, N.P.; ULITINA, P.D.

The physiological anticoagulating system and experimental prethrombotic state of the organism. Vest. Mosk. un. Ser. 6:3-29 Mr-Ap '61. (MIRA 14:5)

1. Laboratoriya fiziologii i biokhimii svertyvaniya krovi Moskovskogo gosudarstvennogo universiteta.
(BLOOD—COAGULATION)

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2

KURYASHOV, B.A., prof.; FAN' MU-CHZHEN'; BAZAZ'YAN, G.G.; SYT'INA, N.P.

Antihemophilic globulin in experimental prethrombotic state of the body caused by atherogenic diet. Probl. gemat. i perel. krovi no.12:29-31'62. (MIRA 16:8)

1. Iz laboratoruu diziologii i biokhimii svertyvaniya krovi Moskovskogo gosudarstvennogo universiteta.
(BLOOD—COAGULATION) (GLOBULIN)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2

KUDRYASHOV, B.A.; MOLCHANOVA, L.V.; BAZAZ'YAN, G.G.; KALISHEVSKAYA, T.M.; SYTINA, N.P.

Preventive action of antithrombin VI in experimental thrombogenesis. Vop.med.khim. 8 no.1:68-72 Ja-F '62. (MIRA 15:11)

1. Laboratoriya fiziologii i biokhimii svertyvaniya krovi kafedry biokhimii zhivotnykh biologo-pochvennogo fakul'teta Moskovskogo gosudarstvennogo universiteta imeni Lomonosova, Moskva.

(THROMBOSIS) (ANTICOAGULANTS (MEDICINE))

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2

KUDRYASHOV, B.A.; BAZAZ'YAN, G.G.; BONFITTO, L.L.

Blood lipoprotein lipase and its properties as a component of the physiological anticoagulant system. Vop. med. khim. 9 no.5:533-535 S-O '63. (MIRA 17:1)

1. Laboratoriya fiziologii i biokhimii svertyvaniya krovi (zav. - prof. B.A. Kudryashov) Moskovskogo gosudarstvennogo universiteta imeni M.V. Lomonosova.

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2

KUDRYASHOV, B.A.; USHAKOVA, M.D.; BAZAZ'YAN, G.G.; SYTINA, N.P.

Determination of the possibility of dicoumarin prevention of thrombus formation caused by intravenous administration of massive doses of thromboplastin. Biul. eksp. biol. i med. 57 no.3:26-27 Mr '64.

(MIRA 17:11)

1. Laboratoriya biokhimii i fiziologii svertyvaniya krovi biologo-pochvennogo fakul'teta Moskovskogo ordena Lenina gosudarstvennogo universiteta imeni Lomonosova. Predstavlena deystvitel'nym chlenom AMN SSSR S.Ye. Severinym.

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2

ANDREYENKO, G.V.; BAZAZ'YAN, G.G.; SMYSLOVA, S.N.; RYZHAKOVA, V.G.

Comparative study of the methods of the determination of heparin in the blood. Lab. delo no.2:102-105 '65. (MIRA 18:2)

1. Laboratoriya fiziologii i biokhimii svertyvaniya krovi (zaveduyushchiy - prof. B.A. Kudryashov) Moskovskogo gosudarstvennogo universiteta.

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2

KUDRYASHOV, B.A.; MOLCHANOVA, L.V.; BAZAZ'YAN, G.G.

Fibrin-stabilizing factor in various functional states of the physiological anticoagulation system. Vop.med.khim. 11 no.6:77-79 N-D '65. (MIRA 18:12)

1. Laboratoriya fiziologii i biokhimii svertyvaniya krovi pri kafedre fiziologii cheloveka i zhivotnykh Moskovskogo universiteta. Submitted April 21, 1965.

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2

PANCHENKO, V.M.; BAZAZ'YAN, G.G.

Blood coagulation and lipid metabolism in disorders of coronary blood circulation. Sov.med. 28 no.11:60-65 N '65.
(MIRA 18:12)

1. IV kafedra terapii (zav. - chlen-korrespondent AMN SSSR prof. P.I.Yegorov) TSentral'nogo instituta usovershenstvovaniya vrachey i laboratoriya fiziologii i biokhimii svertyvaniya krovi (zav. - prof. B.A.Kudryashov) Moskovskogo universiteta.

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2

PEVZNER, B.D., kand. tekhn. nauk; BAZAYEVA, L.A., mladshiy nauchnyy sotrudnik KURLYANDSKAYA, S.B., insh.; POPOVA, V.D., insh.

Making autoclave-hardened silicate products at the Minsk combine of large-bloc construction elements. Stroi. mat. 5 no.10:22-23 O '59. (MIRA 13:2)
(Minsk--Silicates) (Building blocks)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2

GOFMAN-KADOSHNIKOV, P.B.; CHIZHOVA, T.P.; BAZAZ'YAN, A.G.; KRAVTSOV, E.G.

Incidence of diphyllobothriasis in Moscow Province. Med.paras.i paraz.bol. 30 no.1:92-95 Ja '61. (MIRA 14:3)

1. Iz kafedry obshchey biologii (zav. - prof. F.F. Talyzin) I Moskovskogo ordena Lenina meditsinskogo instituta imeni I.M. Sechenova.
(MOSCOW PROVINCE—TAPEWORMS)

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2

BAZAZ'YAN, G. G.

PA 45/49T66

USSR/Medicine - Hematology Dec 48
Medicine - Blood, Coagulation

"Thrombotropin as a Regulator of Blood-Coagulation Speed in Various Types of Animals and Man," G. G. Bazaz'yan, B. A. Kudryashov, Inst of Zool, Moscow State U imeni M. V. Lomonosov, 2 pp

"Dok Ak Nauk SSSR" Vol LXIII, No 4

Experimental check on hypothesis that different speed of blood coagulation in different animals is dependent on different concentrations of thrombotropin. Conducted tests on thrombotropin content in the blood of a man, a horse, a cat, a dog, [redacted] 45/49T66

USSR/Medicine - Hematology (Contd) Dec 48

and a rat. Hypothesis held true for all cases except the horse. Submitted by Acad Ye. O. Parnas, 5 Oct 48.

45/49T66

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2

BAZAZ'YAN, G.G.

BAZAZ'YAN, G.G.

From the history of the development of roentgenology and radiobiology in Russia. Vest. Mosk. un. Ser. biol., pochv., geol., geog. 12 no.1: 123-129 '57. (MIRA 10:11)

1. Kafedra biokhimii zhivotnykh Moskovskogo gosudarstvennogo universiteta.

(X rays--Physiological effect)
(Radiobiology)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2

BAZAZYAN, G.G.

Blood heparin level in experimental radiation sickness. Vest. Mosk.un.Ser.biol., pochv., geol., geog. 14 no.1:39-44 '59. (MIRA 12:9)

1. Moskovskiy gosudarstvennyy universitet, Laboratoriya fiziologii i biokhimii svertyvaniya krovi.
(Heparin) (Radiation sickness)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2

BAZAZ'YAN, G.G.

Changes in the physiological strength of capillaries during experimental radiation sickness produced by internal irradiation with B-rays of radioactive phosphorus. Vest. Mosk. un. Ser. 6: Biol., pochv. 15 no.2:18-21 '60. (MIRA 13:6)

1. Laboratoriya fiziologii i biokhimii svertyvaniya krovi Moskovskogo universiteta.
(Beta rays--Physiological effect) (Capillaries)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2

KUDRYASHOV, B.A.; ANDREYENKO, G.V.; BAZAZ'YAN, G.G.; KALISHEVSKAYA, T.M.; PASTOROVA, V.Ye.; SYTINA, N.P.; ULITINA, P.D. (Moskva)

Physiological anticoagulation system in an experimental prethrombotic state of the organism. Klin.med. 39 no.3:19-30 Mr.'61. (MIRA 14:3)

1. Iz laboratorii fiziologii i biokhimii svertyvaniya krovi (rukovoditel' - prof. B.A. Kudryashov) Moskovskogo universiteta.
(BLOOD--COAGULATION)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2

BAZAZ'YAN, G.G.; SYTINA, N.P.; ANDREYENKO, G.V.; KUDRYASHOV, B.A.

Depression of the physiological functions of the anticoagulation system as a consequence of an atherogenic diet. Biul. eksp. biol. i med. 52 no.10:26-30 O '61. (MIRA 15:1)

1. Iz laboratorii fiziologii i biokhimii svertyvaniya krovi (zav. - prof. B.A. Kudryashov) Moskovskogo gosudarstvennogo universiteta imeni M.V.Lomonosova. Predstavlena deystvitel'nym chlenom AMN SSSR S.Ye. Severinym.
(BLOOD--COAGULATION) (FAT--PHYSIOLOGICAL EFFECT) (DIET)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2

41395

S/089/62/013/004/002/011
B102/B108

26.2242

AUTHORS: Bazazyants, N. O., Gordeyev, I. V.

TITLE: Excitation functions of individual levels of U^{235}, U^{233}, and Pu^{239} nuclei with allowance for the competition of inelastic neutron scattering with nuclear fission

PERIODICAL: Atomnaya energiya, v. 13, no. 4, 1962, 321 - 326

TEXT: On the basis of N. Bohr's statistical theory (Nature, 137, 344, 1936; Phys. Rev., 87, 366, 1952), the inelastic scattering of neutrons on individual levels of U^{235}, U^{233}, and Pu^{239} target nuclei was studied with allowance for the competition of scattering with fission. The mean fission width, $\bar{\Gamma}_f$, the mean level distance of the compound nucleus, $\bar{D}_I$, and the number of transition states, $N^*_{I\pi}$, were calculated for each of the three nuclei and compared with semiempirical and experimental data. According to N. Bohr and J. Wheller (Phys. Rev., 54, 426, 1939), the fission width is calculated from $\bar{\Gamma}_f(E) = \frac{\bar{D}(E)}{2\pi} N^*(E-E_f)$ in a semiclassical manner; however,

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Excitation functions ...

the permeability $T_{fI\pi}(E) = \sum_k N^*_{I\pi}(E-E_{fk})\cdot P(E-E_{fk})$, which is related to the fission width by $\bar{\Gamma}_{fI\pi}(E) = (\bar{D}_I(E)/2\pi)\cdot T_{fI\pi}(E)$, is allowed for according to Hill and Wheller (Phys. Rev., 89, 1102, 1953). The subscripts I and π denote the spin of the compound nucleus and its parity, respectively; k is the number of the fission barrier (energy E_{fk}); and $P(E-E_{fk})$ is the permeability of the k-th barrier, which, according to Hill and Wheller, is given by $P(E-E_{fk}) = \left\{1+\exp\left[\frac{2\pi}{E_{ck}}(E_{fk}-E)\right]\right\}^{-1}$, where E_{ck} is a parameter characterizing the curvature of the k-th fission barrier. The following results were obtained for the lowest resonance states of the compound nuclei: (1) target nucleus U^{235} $(7/2^-)$; $\bar{\Gamma}_{fexp} = 75$ Mev; $\bar{D}_{exp} = 0.75$ ev. Calculation gives $\bar{\Gamma}_{f3^-} = 81$ Mev, $\bar{D}_{3^-} = 1.7$ ev, $N^*_{3^-} = 2$; $\bar{\Gamma}_{f4^-} = 32.5$ Mev, $\bar{D}_{4^-} = 1.3$ ev, $N^*_{4^-} = 1$. (2) Target nucleus U^{233} $(5/2^+)$; $\bar{\Gamma}_{fexp} = 165$ Mev, $\bar{D}_{exp} = 0.75$ ev. Analysis of the fission cross section curves from Phys. Rev., 118, 718, 1960 yields $\bar{\Gamma}_{f3^+} = 230$ Mev; $\bar{\Gamma}_{f2^+} = 640$ Mev; $N^*_{2,3} = 1$; $\bar{\Gamma}_{f3^+} = 270$ Mev,

Card 2/3

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2

Excitation functions ...

$\bar{\Gamma}_{f2^+}$ = 700 Mev; $N^*_{2,3}$ = 2. Analysis of Vogt's curves (Phys. Rev., 118, 724, 1960) furnishes $\bar{\Gamma}_{f3^+}$ = 165 Mev, $\bar{\Gamma}_{f2^+}$ = 800 Mev, and analysis of curves from Hughes' neutron atlas gives $\bar{\Gamma}_{f3^+}$ = 176 Mev, $\bar{\Gamma}_{f2^+}$ = 575 Mev. The present authors obtained $\bar{\Gamma}_{f3^+}$ = 205 Mev, D_{3^+} = 1.29 ev, N^*_3 = 1; $\bar{\Gamma}_{f2^+}$ = 580 Mev, D_{2^+} = 1.81 ev, N^*_2 = 2. (3) Target nucleus $Pu^{239}(1/2^+)$: $\bar{\Gamma}_{fexp}$ = 99 Mev, D_{exp} = 3 ev. M. I. Pevzner obtained $\bar{\Gamma}_{f0^+}$ = 215 Mev, $\bar{\Gamma}_{f1^+}$ = 55 Mev, but the present authors found $\bar{\Gamma}_{f0^+}$ = 1000 Mev, D_{0^+} = 6 ev; $\bar{\Gamma}_{f1^+}$ = 50 Mev, D_{1^+} = 3.22 ev. There are 1 figure and 5 tables.

SUBMITTED: December 27, 1961

Card 3/3

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2

ABAGYAN, L.P.; BAZAZYANTS, N.O.; BONDARENKO, I.I.; NIKOLAYEV, M.N.; MELESHKO, V.K., red.

[Group constants for the design of nuclear reactors] Gruppovye konstanty dlia rascheta iadernykh reaktorov. Moskva, Atomizizdat, 1964. 138 p. (MIRA 17:5)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2

Introduction — 3

Ch. II. Review of the data used — 45
Ch. III. Tables of group constants — 60

OTHER: 607

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APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2

L 08344-67 EWT(m) JR

ACC NR: AR6031859 SOURCE CODE: UR/0058/66/000/006/V053/V053

9

AUTHOR: Bazazyants, N. O.; Zaritskiy, S. M.; Troyanov, M. F.

TITLE: Reading of critical experiments on ZPR-III assemblies by means of the FEI constants system

17

SOURCE: Ref. zh. Fizika, Abs. 6V435

REF SOURCE: Byul. Inform. tsentra po yadern. dannym, vyp. 2, 1965, 247-280

TOPIC TAGS: experiment reading, fast neutron assembly, multiplication factor, indicator fission cross section, fast neutron life, fast neutrons/ZPR III assembly

ABSTRACT: The effective multiplication factor, indicator fission cross-section ratio, reactivity caused by various materials when they are placed in the center of the system and the life of fast neutrons were calculated by means a system of multigroup constants developed at FEI (Obninsk, USSR) for 11 critical assemblies using ZPR-III fast neutrons. Metal, oxide, carbide and cermet uranium fuels were simulated in the assemblies. [Translation of abstract]
SUB CODE: 20, 09/

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APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2

BACZYK, Jozef

"Oceans (An atlas history of man's exploration of the deep)" by G.E.R.Deacon. Reviewed by Jozef Baczyk. Przegl geogr 35 no.3: 518-519 '63.

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2

BAZDIKYAN, I.Kh., Inzh. (Rostov-na-Donu); CHUCHENKO, S.P., Inzh. (Rostov-na-Donu)

Accelerated hardening of concrete in the manufacture of reinforced concrete products. Gidr. i mel. 17 no.5:13-17 My '65. (MIRA 18:7)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2

RAZDOL'SKIY, A.G. (Dnepropetrovsk)

Behavior of a centrally compressed rod beyond the proportionality limit. Inzh. zhur. 5 no.5:991-996 '65. (MIRA 18:10)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2

BAZDEEV, V.I. (Moskva)

Tat'iana Vladimirovna Krainova. Med. sestra no.1:30 Ja '55. (MLRA 8:3)

(KRAINEVA, TAT'IANA VLADIMIROVNA)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2

RAZDEEV, V.I. (Moskva)

Aleksandra Niklaevna Gvozdeva. Med.sestra no.2:27-28 F '55. (MLRA 8:5)

(BIOGRAPHIES,
Gvozdeva, Aleksandra N.)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2

MIKHAYLOV, V.; RAZDUGANOV, A.

Role of magnesium compounds in experimental radiation sickness. Med. rad. 6 no.2:75-76 '61. (MIRA 14:3)
(RADIATION SICKNESS) (MAGNESIUM COMPOUNDS)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2

BAZDYREV, A.

25752

Stakhanovskiy shag. (O brigadire kuznechno-pressovogo tsekha kotlozavoda V.P. Uvartseve, g. Barnaul, Ocherk.) Altay, No. 3, 1949, s 168-83.

SO: LETOPIS' No. 34

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2

FLIGER, N.Ya.; BAZDYREV, A.A.

Mechanized station for preparation of poisonous chemical solutions. Sbor. nauch.-tekh. inform. po elektr. sel'khoz. no.16/17:76-80 '64. (MIRA 18:11)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2

BAZDYREV, K. P.

USSR / Diseases of Farm Animals. Diseases Caused by Helminths. R-2

Abs Jour: Ref Zhur-Biol., No 2, 1958, 7343

Author : K. P. Bazdyrev
Inst : Not Given
Title : Concerning the Anthelminic Effectiveness and Economic Value of Phenothiazine in the Sheep Industry.

Orig Pub: Tr. Stavropol'sk. krayevoy n-i. vet. st. 1956, 3, 69-85.

Abstract: It is indicated that prolonged and regular free feeding with a phenothiazine-salt mixture halts the process of infection of lambs by "gemonkhoz", and "dictyocaulus". In cases of severe infection, to obtain a rapid prophylactic effect, the feeding of the mixture must be started after medicinal vermifuge.

Card 1/1

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2"

USSR/Diseases of Farm Animals. Diseases Caused by Helminths. R.
Arachno-Entoms.

Abs Jour : Ref Zhur - Biol., No 6, 1958, 26351

Author : Bazdyrev, K.P.

Inst : Stavropol'skiy Kray Scientific Research Veterinary Station.

Title : Comparative Analysis of Acaricide Characteristics of Variously Concentrated Hexachloran Emulsions.

Orig Pub : Tr. Stavropol'sk. krayevoy n.-i. vet. st., 1956, 3, 206-212

Abstract : In laboratory experiments on isolated scab mites of sheep [Sarcobtes scabiei], a hexachloro-cyclohexan (HChCH) emulsion upon a naphtol soap base of 0.05, 0.10, 0.15, 0.20 and 0.25 percent of hexachloro-cyclohexan was found more acaricideous than an emulsion of

Card 1/2

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2

R-2

USSR / Diseases of Farm Animals. Diseases Caused by Helminths.

Abs Jour: Ref Zhur-Biol., No 2, 1958, 7344

Author : K. P. Bazdryev
Inst : Not Given
Title : Anthelmintic Property of Phenothiazine-Salt Briquets.

Orig Pub: Veterinariya, 1957, 34, No 4, 41-43

Abstract: Methods of free feeding of a phenotiazine-salt mixture (FS) were studied on 17 flocks of sheep. Every group of experimental flocks of sheep had a control flock, the sheep in which received pure salt instead of FS. The average daily norm of consumption of FS by one sheep was established so as to prepare the mixture, in which the sheep could eat the optimal prophylactic dose of pheno-

Stavropolskiy Sci Res Vet. Station,

Card 1/3

33

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2"

USSR / Diseases of Farm Animals. Diseases by Helminths.

Abs Jour: Ref Zhur-Biol., No 2, 1958, 7344

Abstract: lessens the degree of infection of the sheep. In a severe degree of infection of the young stock by "gemonkhoz" and "dictyocaulus", free trading with FS should be started after medicinal vermifuge. It is noted that, along with its anthelmintic action I improves the general development of the organism of animals, decreases loss of young stock, and increases its ductivity. In the experimental flocks, as compared to the control ones, 15-26 more lambs were saved during the year, the yield of wool was by 0.4 to 2.2 kilograms higher, and the increase in weight averaged five to nine kilograms more per head.

Card 3/3

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2

BAZDYREV, K.P.; POSOKHIN, Ye.G.

Stavropol Territory Veterinary Research Station. Trudy VIEV 23:401-405 '59. (MIRA 13:10)
(Stavropol Territory--Veterinary research)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2

USSR / General and Specialized Zoology. Insects P
Forest Pests.

Abs Jour : Ref Zhur - Biol., No 17, 1958, No 78343

Author : Bazdyrev, N. D.
Inst : Not given
Title : Using Knapsack and Horsedrawn Motorized Sprays in the Control of the Gypsy Moth.

Orig Pub : Lesn. kh-vo, 1958, No 1, 43

Abstract : No abstract given.

Card 1/1

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2

BAZDYREV,N.I., inzhener; ZHDANOV,A.M., inzhener

Groins used as a means of stabilizing the seashore and protecting earthen railroad beds. Tekh.zhel.dor.6 no.10:7-10 0'47. (Shore protection) (MLRA 8:12)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2

S/140/63/000/001/001/006
E032/E314

AUTHOR: Bazdyrev, V.D.

TITLE: Equivalence of the principles of limiting amplitude and limiting absorption

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Matematika, no. 1, 1963, 8 - 15

TEXT: This paper is concerned with the principles of limiting amplitude and limiting absorption in linear differential operators with constant coefficients

$$A\left(i\frac{\partial}{\partial x_1}, \ldots, i\frac{\partial}{\partial x_n}\right)$$

which satisfy the conditions

$$\alpha)\quad A(\sigma_1, \ldots, \sigma_n) > 0 \quad \text{for} \quad \sum_{k=1}^{n} \sigma_k^2 \neq 0$$

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2

Equivalence of ....

$$\beta) \quad \operatorname{grad} A(\sigma_1, \ldots, \sigma_n) \neq 0 \quad \text{for} \quad \sum_{k=1}^{n} \sigma_k^2 \neq 0$$

where $A(\sigma_1, \ldots, \sigma_n)$ is an n-variable polynomial obtained by substituting real σ_k in place of $i(\partial/\partial x_k)$ into

$$A\left(i\frac{\partial}{\partial x_1}, \ldots, i\frac{\partial}{\partial x_n}\right) .$$

It is shown that if the limiting amplitude is defined as $\lim_{t\to\infty} e^{-ikt}v(t, x)$ where $v(t, x)$ is the solution of the Cauchy problem

Card 2/5

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2

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E032/E314

Equivalence of ....

$$\frac{\partial^2 v}{dt^2} + A\left(i\frac{\partial}{\partial x}\right)v = f(x)\, e^{ikt} \quad (k > 0)$$

$$\begin{cases} v_1(0, x) = 0, \\ \dfrac{dv_1}{dt}(0, x) = 0, \end{cases}$$

then in order that the limit should exist it is sufficient that the operator $A[1/(\partial/\partial x)]$ satisfy the condition

$$\int_{\sqrt{A(\sigma)} \leqslant \rho} \cdots \int dv_\sigma = O(\rho^{1+\varepsilon})$$

where $dv_\sigma = d\sigma_1 \ldots d\sigma_n$ is a Euclidean volume element in the σ-space,

Card 3/5

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Equivalence of ....

$\int \ldots \int dv_\sigma$ is the volume of the region bounded by the surface $\sqrt{A} \leq \rho$

$\sqrt{A(\sigma_1, \ldots, \sigma_n)} = \rho$ $(\rho > 0)$ and ε is a positive number depending on n and the order of the operator

$$A\left(i \frac{\partial}{\partial x_1}, \ldots, i \frac{\partial}{\partial x_n} \right) .$$

If, on the other hand, the limiting amplitude is defined as $\lim_{t \to +\infty} e^{-ikt} v(t, x)$, while $v(t, x)$ is the solution of the Cauchy problem

$$\begin{cases} v_2(0, x) = 0, \\ \dfrac{\partial v_2}{\partial t}(0, x) = \dfrac{1}{ik} f(x) , \end{cases}$$

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Equivalence of ....

then the additional condition need not be imposed on the operator. Moreover, if the limiting amplitude exists, the resulting solution of

$$A\left(i\frac{\partial}{\partial x}\right)u - k^2u = f(x) \qquad (3.2)$$

is the same as that obtained from the absorption principle. It is expected that the solution obtained in this way will satisfy at infinity a set of conditions which are analogous to Sommerfeld's radiation conditions when

$$A\left(i\frac{\partial}{\partial x}\right) = -\Delta \ .$$

This would enable determination of the class of functions for which Eq. (3.2) has a unique solution. The analytical form of these solutions is, however, said to be unknown.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet im. M.V. Lomonosova (Moscow State University im. M.V. Lomonosova

SUBMITTED: January 16, 1960

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2

L 10929-67 EWT(1) SCTB DD/OD

ACC NR: AT6022298 SOURCE CODE: UR/0000/66/000/000/0098/0099

35

AUTHOR: Bazdyrev, V. I.; Chervov, V. G.

ORG: none

TITLE: The design of neuron group models

SOURCE: Vsesoyuznaya nauchnaya sessiya, posvyashchennaya Dnyu radio. 22d, 1966. Sektsiya bioniki. Doklady. Moscow, 1966, 98-99 and page 134

TOPIC TAGS: model, bionics, nervous system, neuron, neurophysiology

ABSTRACT: One of the basic problems of modern bionics is the design and study of neuron group models. Following a brief discussion of criteria useful for the design of neuron groups, the authors chose for group simulation fundamental neuron models which have multiple inputs (5), can be spacially added, incorporate retardation, have a standard form of output pulses, have a low output resistance, and are periodically excited. The neuron model with positive feedback through the synapsis (integrating type circuit) can be excited, whereas the positive and negative feedback models have the property of adaptation. The paper describes a neuropulse counter circuit made of 9 neuron models, and a neuropulse generator made of 7 neuron models.

SUB CODE: 05,06/ SUBM DATE: 08Apr66

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APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2

SPESIVTSEV, O.G.; BAZDYREVA, L.G.

Differential diagnosis of pulmonary tuberculosis and lung cancer in elderly persons. Trudy TSIU 63:97-101 '63.
(MIRA 17:9)

1. Kafedra tuberkuleza Zaporozhskogo instituta usovershenstvovaniya vrachey imeni M. Gor'kogo.

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2

BAZEKIN, Aleksandr Aleksandrovich; TIKHONIROV, Ye.N., nauchn. red.; RUSAKOVA, L.Ya., ved. red.

[Control and measuring instruments and automation regulators in gas distribution stations for gas mains] Kontrol'no-izmeritel'nye pribory i avtomaticheskie reguliatory gazoraspredelitel'nykh stantsii magistral'nykh gazoprovodov. Moskva, Nedra, 1964. 78 p. (MIRA 17:5)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2

RYABKOVA, Ye.Ya., kand.tekhn.nauk; BAZELYAN, E.M., inzh.; SOKOLOV, S.A., inzh.

Deformation of underground communication cables due to lightning discharges. Izv.vys.ucheb.zav.; energ. 2 no.9: 38-42 S '59. (MIRA 13:2)

1. Moskovskiy ordena Lenina energeticheskiy institut. Predstavlena kafedroy tekhniki vysokikh napryazheniy.
(Electric lines, Underground) (Lightning)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2

88909

9,1400

S/143/60/000/004/001/007
A163/A026

AUTHOR: Bazelyan, E.M., Engineer

TITLE: The Influence of the Skin Effect in the Sheath on the Value of Overvoltage in Communication Cables

PERIODICAL: Energetika, 1960, No. 4, pp. 20 - 26

TEXT: The article deals with the influence of the Kelvin effect in the sheath on the value of overvoltage in communication cables. The author especially discusses the problem of voltage between cable conductor and sheath, and presents results of experiments carried out at the laboratory of the ТВН МЭИ (TVN MEI). Having proved that the maximum overvoltage arises at the stroke point ($x = 0$), the author cites the following formula for the voltage wave between sheath and conductor at the point $x = 0$

$$U(0; t) = \frac{I_0 R_0}{\sqrt{\pi}\left(\sqrt{\frac{\mu_0}{2\rho}} + \sqrt{R_a C_a}\right)} \left[\frac{1}{\sqrt{a}} h(\sqrt{at}) - \frac{1}{\sqrt{b}} h(\sqrt{bt})\right], \quad (4)$$

where ρ = specific ground resistance; R_a = active resistance of the conductor-sheath system on the length unit; C_a = capacitance of the conductor-sheath sys-

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2

S/143/60/000/004/001/007
A163/A026

The Influence of the Skin Effect in the Sheath on the Value of Overvoltage in Communication Cables

tem on the length unit; I = current in the conductor-sheath system; U = voltage between conductor and sheath; R_0 = resistance of the sheath to the constant current on the length unit. The formula reveals that the overvoltage amplitude is directly proportional to the resistance of the sheath on the length unit. To increase the lightning resistance of the cable, it was suggested to replace the lead sheath of the cable by an aluminum one. Results of computations carried out to evaluate the skin effect on the amplitude of overvoltage in an endless cable showed that the amplitude of overvoltage on the inside surface decreased at the expense of the skin effect by 34%. In case the current wave propagated without distortion, the value of the overvoltage would have also decreased by 34%. A comparative calculation on cables with an aluminum sheath (d = 2.5 mm) revealed that the skin effect considerably decreases the steepness of the overvoltage, but slightly affects its amplitude. Research work on the influence of the skin effect on the overvoltage in cables was not performed due to lack of facilities. The above mentioned laboratory performed measurings on 100 ÷ 200 m cables. The single-stage ГИН (GIN) with a capacity of 12.4 μf served as a power source. One end of the cable was connected to the GIN and the other was ground-

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S/143/60/000/004/001/007
A163/A026

The Influence of the Skin Effect in the Sheath on the Value of Overvoltage in Communication Cables

ed. The 30-6M (EO-6M) oscillograph recorded the voltage between the conductor and sheath. Tests were carried out with patterns of a lightning-proof cable with a lead and aluminum sheath (d = 2.2 mm), produced by the Zavod "Moskabel'" (Moskabel' Plant). The author concludes that the amplitude of overvoltage may be determined by the above formula. When analyzing this formula, it becomes obvious that the overvoltage amplitude only slightly depends on the current wavefront. Taking this into consideration, a simple formula may be obtained for rating the amplitude of atmospheric overvoltage in underground communication cables:

$$U_{max} = 46.5 \cdot 10^{-6} R_0 I_0 \sqrt{\rho \tau_V} \text{ [kv]}, \quad (10)$$

where I_0 = amplitude of the lightning current, ca; ρ = specific ground resistance, ohm · cm; τ_V = wave length of the lightning current, microsecond; R_0 = resistance of the sheath, ohm/km. There are 3 figures and 3 references: 2 Soviet and 1 American.

ASSOCIATION: Moskovskiy ordena Lenina energeticheskiy institut (Moscow Order of Lenin Power Engineering Institute)

PRESENTED: by the Department for High-Voltage Engineering

Card 3/3

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2

BAZELYAN, E.M.

9.8150

S/020/60/133/03/02/013
B019/B056 82273

AUTHORS: Bazelyan, E. M., Brago, Ye. N., Stekol'nikov, I. S.

TITLE: A Considerable Decrease of the Average Breakdown Gradients in Long Discharge Gaps With an Oblique-angled Voltage Wave

PERIODICAL: Doklady Akademii nauk SSSR, 1960, Vol. 133, No. 3, pp. 550 - 553

TEXT: The introduction refers to experiments carried out at the laboratoriya vysokovol'tnogo gazovogo razryada (Laboratory of High-voltage Gas Discharges) of the Institute mentioned under Association (Refs. 1 - 4). Recently, interesting results have been obtained with respect to the decrease of the average discharge gradient. The scheme of the experimental arrangement shown in Fig. 1 is discussed. Recording of voltage was carried out by means of an oscillograph and a capacitive voltage divider. Fig. 2 shows the discharge characteristic of the experimental device for various lengths of the discharge gaps between the rods used and the earthed plate. The voltage minimum occurring for all distances between 100 and 375 cm within the range of 150 - 180 μsec of the time of

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A Considerable Decrease of the Average Breakdown Gradients in Long Discharge Gaps With an Oblique-angled Voltage Wave

S/020/60/133/03/02/013
B019/B056 82273

discharge is pointed out. This characteristic is explained by a discussion of the processes before the discharge in the discharge gap. The occurrence of discharge is dealt with, and it is shown that in the left part of the characteristic a certain inertia of the processes before the discharge occurs (in the case of short discharge times). This inertia decreases with an increase of the times of discharge, and the blocking action of the space charge formed in the development of the corona grows. This blocking action was investigated by the authors by means of alternating current (industrial frequency). The discharge characteristics of the same discharge gap are shown in Fig. 3. From a discussion of these results and the dependence of the average discharge gradient on the length of the discharge gap as shown in Fig. 4, the authors conclude that by the effect produced by the oblique-angled wave and the alternating current, the zone of the unipolar volume charge is limited, and that above all this volume charge does not depend on the length of the discharge gap. There are 4 figures and 7 references: 6 Soviet and 1 German.

4

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2

A Considerable Decrease of the Average Breakdown Gradients in Long Discharge Gaps With an Oblique-angled Voltage Wave

S/020/60/133/03/02/013
B019/B056 82273

ASSOCIATION: Energeticheskiy institut im. G. M. Krzhizhanovskogo Akademii nauk SSSR (Institute of Power Engineering imeni G. M. Krzhizhanovskiy of the Academy of Sciences of the USSR)

PRESENTED: March 26, 1960, by L. A. Artsimovich, Academician

SUBMITTED: March 25, 1960

4

Card 3/3

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2

STEKOLNIKOV, I. S.; BRAGO, Ye. N.; BAZELYAN, E. M.

"The Peculiartities of Oblique Wave Front Discharges and their role in the Estimation Of EHV Transmission Line Insulation"
To be submitted at the International Conference on Gas Discharges and the Electricity Supply Industry, 7-11 May 1962, Leatherhead, UK.

1. High Voltage Gas Discharge Laboratory, Moscow, USSR.
AS USSR

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2

STEKOL'NIKOV, I.S., doktor tekhn.nauk, prof.; BAZELYAN, E.M., inzh.

Decreasing of the insulation disruptive voltage in electric power systems during certain kinds of switching surges. Elektrichestvo no.7:36-40 Jl '62. (MIRA 15:7)

1. Energeticheskiy institut imeni Krzhizhanovskogo.
(Electric insulators and insulation)
(Electric power distribution)

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39821
S/057/62/032/008/010/015
B104/B102

24.2311

AUTHORS: Stekol'nikov, I. S., Brago, Ye. N., and Bazelyan, E. M.

TITLE: Reduction of discharge voltage in long oblique-wave discharge gaps

PERIODICAL: Zhurnal tekhnicheskoy fiziki, v. 32, no. 8, 1962, 993 - 1000.

TEXT: The characteristics of an oblique wave discharge gap rod - surface (S_o = 50 - 590 cm) with wave fronts of 20 to 700 μsec were examined (Fig. 4a). The voltages were recorded with an oscilloscope and a capacitive voltage divider. U_b (break-down voltage), as a funotion of t_b the time until the voltage at the discharge gap reaches the breakdown voltage), has a minimum at t_b = 150 - 250 μsec. If S_o is increased from 50 to 590 cm the field strength decreases from 4.7 kv/cm to 2.25 kv/cm; for ordinary pulsed waves the field strength for S_o = 1 - 4.5 m is 5.35 kv/cm. The curve $U_b(t_b)$ can be explained qualitatively by studying

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2

STEKOL'NIKOV, I.S.; BAZELYAN, E.M.

Reply of the authors. Elektrichestvo no.7:87-88 Jl '63.
(MIRA 16:9)

(Electric insulators and insulation)

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2

ACCESSION NR: AP4030781 S/0020/64/155/004/0784/0787

AUTHOR: Bazelyan, E. M.; Stekol'nikov, I. S.

TITLE: Changes in the mechanism of a spark several meters long due to the induction of space charge in the insulating gap

SOURCE: AN SSSR. Doklady*, v. 155, no. 4, 1964, 784-787

TOPIC TAGS: long spark, spark discharge, spark mechanism, long spark gap, long air gap, space charge effect, high voltage spark, high voltage discharge lightning, artificial lightning

ABSTRACT: E. M. Bazelyan (ZhTF, v. 34, no. 3, 1964) at the Laboratoriya vysokovol'tnogo gazovogo razryada i molnii (Laboratory of high-voltage gas discharge and lightning) of the Power Institute found that the pulse corona charge concentrated at the ends of the corona branches considerably decreases the voltage in the near electrode zone. These data indicated the possibility of quenching the development of a spark by inducing the space charge of a high-intensity pulse corona. In the present investigation, a 200-cm gap and a positively charged sphere 6.25 cm in diameter raised 3 m above the floor were used. Pulse

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ACCESSION NR: AP4030781

voltages of 0.3-sec duration and 2.0-sec half-amplitude decay time were used for the formation of the additional pulse corona. The total voltage varied within the limits of 600—1150 kv. Excess space charge as low as 2.5 μcoul brought electrode voltage to nearly zero. It was found that the artificially induced high-intensity pulse corona completely eliminated the collapse in the volt-second characteristic and increased the strength of the spark gap. Orig. art. has: 4 figures.

ASSOCIATION: Gosudarstvennyy nauchno-issledovatel'skiy energeticheskiy institut imeni G. M. Krzhizhanovskogo (State Power-Research Institute)

SUBMITTED: 10Dec63 DATE ACQ: 12May64 ENCL: 00

SUB CODE: PH NO REF SOV: 005 OTHER: 001

Card 2/2

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2

ACCESSION NR: AP4020576 S/0057/64/034/003/0474/0483

AUTHOR: Bazelyan, E.M.

TITLE: Space charge measurements in the initial stages of a long positive spark

SOURCE: Zhurnal tekhnicheskoy fiziki, v.34, no.3, 1964, 474-483

TOPIC TAGS: spark, long spark, positive spark, spark development, spark space charge, corona

ABSTRACT: The development of 100 cm long sparks between a 12.5 cm spherical anode of special construction and a plane cathode was investigated. The sparks were initiated by voltage pulses having a rise time of 7.5 microsec. The voltage across the gap was observed with an oscilloscope, and the sparks were photographed with the aid of an electron-optical image intensifier. The deficiencies of the usual method for estimating the space charge developed in the gap prior to breakdown, by following the total current in the external circuit, are discussed in some detail. In order to obviate some of these difficulties, the half of the spherical anode facing the cathode was constructed of six separate zones, insulated from each other. Each zone was separately grounded through an integrating capacitor (time constant

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ACCESSION NR: AP4020576

1 sec) and the charge induced on it was observed with an oscilloscope. The potential gradient at the anode prior to breakdown agreed with the electrostatically calculated value. This indicates that parasitic corona did not develop in the spaces separating the anode zones. When the pulse corona appeared, the field strength at the surface of the peripheral zones of the anode dropped. This is not in accord with the theory of avalanche corona (N.A.Kaptsov, Koronny*y razryad i yego primeneniye v elektrofil'trakh.Gostekhizdat,1947). Measuring the distribution of induced charge on the surface of the anode (instead of merely the total charge) makes it possible to draw conclusions concerning the location of the inducing space charge. With only six zones, the resolution is not great. From the data obtained, however, the authors conclude that the charge cannot be localized in the region of the corona stem, as assumed by Ye.N.Brago and I.S.Stekol'nikov (Izv.AN SSSR,OTN,No.11,1958). The present measurements are consistent with the hypothesis of J.H.Park and H.N. Cones (J.of Res.Nat.Bur.Standards,36,No.4,1956) that most of the excess charge moves with the ionization front. "In conclusion, the authors consider it their duty to express their gratitude to Doctor of Technical Sciences I.S.Stekol'nikov for constant attention to the present work and for great assistance in conducting the investigations." Orig.art.has; 8 formulas, 6 figures and 3 tables.

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APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2

ACCESSION NR: AP4020576

ASSOCIATION: Energeticheskiy institut im. G.M.Krzhizhanovskogo, Moscow (Institute of Power Engineering)

SUBMITTED: 23Feb63 DATE ACQ: 31Mar64 ENCL: 00

SUB CODE: PH NR REF SOV: 003 OTHER: 002

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Card

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2

BAZELYAN, E.M.; STEKOL'NIKOV, I.S.

Change in the mechanism of a spark several meters in length by artificial insertion of a space charge through a gap in the insulation. Dokl. AN SSSR 155 no. 4:784-787 Ap '64.
(MIRA 17:5)

1. Gosudarstvennyy nauchno-issledovatel'skiy energeticheskiy institut im. G.M.Krzhizhanovskogo. Predstavleno akademikom L.A.Artsimovichem.

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2

L 23459-66 EWT(1)

ACC NR: AP6007089 UR/0057/66/036/002/0365/0373

AUTHOR: Bazelyan, E. M.

ORG: Power Engineering Institute im. G.M.Krzhizhanovskiy, Moscow (Energeticheskiy institut im. G.M.Krzhizhanovskogo)

TITLE: The role of corona charge in the formation of a long positive spark by a voltage pulse

SOURCE: Zhurnal tekhnicheskoy fiziki, v. 36, no. 2, 365-373

TOPIC TAGS: spark discharge, spark gap, space charge, electric corona

ABSTRACT: The author has investigated spark discharges initiated by voltage pulses with rise times from 10 to 1000 microsec in 1 and 2 m gaps between a 6.25 cm diameter positive sphere or a 3 cm diameter positive rod and a negative plane. The work reported here is a continuation of earlier work of the author (ZhTF, 34, No. 3, 1964), and the sectioned electrode technique described in the earlier paper (improved by addition of a grid to the electrode) was employed to investigate the effect of space charge ejected into the gap by corona pulses and the effect of space charge at the head of the leader. It is difficult to follow much of the discussion and to understand some of the measurements without reference to the earlier paper. From the present measurements of breakdown potentials, field strengths in the neighborhood of the electrode, corona

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ACC NR: AP6007089

pulse space charges, and excess leader space charges, the following conclusions are drawn: 1) The reduction of the field strength near the electrode following a corona pulse inhibits the formation of a leader; the potential at which the leader appears is determined by the magnitude of the excess space charge of the pulsed corona. 2) The inhibiting action of the corona space charge is effective only in the initial stage of leader development while the head of the channel is still in the region occupied by the corona, and 3) The discharge potential is independent of the magnitude of the corona charge but depends on features of the leader development process, particularly on the magnitude of the excess charge of the leader. The author thanks I.S.Stekol'nikov for valuable advice and his interest in the work. Orig. art. has: 9 formulas, 6 figures, and 3 tables.

SUB CODE: 09, 20/ SUB DATE: 27Mar65/ ORIG REF: 003/ OTH REF: 001

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2

L 40803-66 EWT(1)/FCC GW

ACC NR: AP6027731 SOURCE CODE: UR/0020/66/169/004/0803/0806

AUTHOR: Bazelyan, E. M.; Gorin, B. N.; Stekol'nikov, I. S.; Shkilev, A. V.

ORG: Power Engineering Institute im. F. M. Krzhizhanovskiy (Energeticheskiy institut)

TITLE: Some results of studies of lightning with image converter equipment

SOURCE: AN SSSR. Doklady, v. 169, no. 4, 1966, 803-806

TOPIC TAGS: lightning, image converter, image intensifier

ABSTRACT: Results of a study of the characteristics of lightning using an image converter system are reported. The system uses two individually controlled image tubes which can operate in either of two modes: a single-frame image display with the exposure controlled by the shutter pulse; or a continuous image display at speeds of $3 \cdot 10^3$—$2 \cdot 10^5$ cm/sec. By connecting the system to an oscillograph, both the electrical and optical characteristics of lightning can be recorded simultaneously. The data showed that the system successfully determines the number and speed of components in a lightning discharge. On the basis of seven measurements, an average speed of the front part of the lightning was calculated to be 0.7×10^{10} cm/sec. Orig. art. has: 4 figures. [IV]

SUB CODE: 09, 04/ SUBM DATE: 28Mar66/ ORIG REF: 003/ OTH REF: 003/ ATD PRESS: 5059

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L 08929-67 EWT(1) GW/WS-2

ACC NR: AR6025344 SOURCE CODE: UR/0269/66/000/004/0054/0054

53

AUTHOR: Bazelyan, L. L.; Braude, S. Ya.; Men', A. V.

TITLE: Spectrum of discrete source 3C200 in the dekameter and meter range

SOURCE: Ref. zh. Astronomiya, Abs. 4.51.422

REF SOURCE: Astron. tsirkulyar, no. 328, maya 5, 1965

TOPIC TAGS: radio astronomy, ~~stellar radiation source 3C200~~, radiotelescope, cosmic radio source, signal frequency

ABSTRACT: Results of flow energy density measurements of the radiosource 3C200 on the 38, 31, 25 and 20 megacycles frequencies are communicated. Observations were made with the aid of the large radiotelescope IRE AN UkSSR in Kharkov. On the 38 and 31 mc frequencies, the flow density turned out to be about 200.10^{-26} w/m^2(cycle/sec). On two other frequencies the source could not be detected. An upper estimate of its density was made ($\leqslant 150.10^{-26}$ w/m^2(cycle/sec) on the 20 mc frequency). Comparison with other observations (catalogs 3C, 3C revised and 2C) permitted to determine the spectral index of the microwave source in the range of 178-38 mc, which was found to be close to 2. On lower frequencies, a gap is observed in the spectrum. Necessity for additional detailed measurements of the 3C200 source in the 20-200 mc range is noted. [Translation of abstract].

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UDC 523.164.4

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L 36111-66 EWT(l)/EWT(m)/EWP(k)/T/EWP(t)/ETI IJP(c) JD/JH
ACC NR: AP6017306 (N) SOURCE CODE: UR/0126/66/021/005/0727/0731

AUTHORS: Polotskiy, I. G.; Ovsiyenko, D. Ye.; Khodov, Z. L.; Sosnina, Ye. I.; Bazolyuk, G. Ya.; Kushnir, V. K. 52 51 B

ORG: Institute of Metal Physics AN UkrSSR (Institut metallofiziki AN UkrSSR)

TITLE: Influence of ultrasound on the degree of perfection of single crystals of aluminum, grown from the melt 9M 19

SOURCE: Fizika metallov i metallovedeniyo, v. 21, no. 5, 1966, 727-731

TOPIC TAGS: aluminum, metal crystal, metal crystallization, ultrasonic effect, ultrasonic irradiation, single crystal

ABSTRACT: The effect of an ultrasonic field on the degree of perfection of aluminum crystals grown from the melt was studied. The study supplements the results of B. Langenecker (Phys. Rev. Letters, 1965, 14, 221). The experimental procedure consisted of subjecting a crystallizing aluminum melt to the action of an ultrasonic field (see Fig. 1). The structure of single crystals of aluminum derived from the melt with and without the action of the ultrasonic field was studied by means of double x-ray reflection (Ye. I. Sosnina, L. I. Meloshko, and D. Ye. Ovsiyenko. Issledovaniye nesovershenstv kristallicheskogo stroyeniya, Kiyev, izd. Nauchnaya mysl', 1965, str. 122) and by sound absorption and etching techniques. The experimental results are presented graphically (see Fig. 2). The application of an ultrasonic

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ACC NR: AP6017306

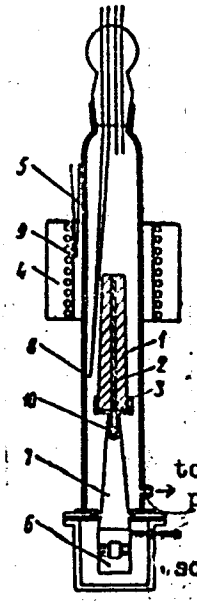

Fig. 1. Apparatus for growth of single crystals in an ultrasonic field. 1 - graphite crucible, 2 - metal stock, 3 - single crystalline seed, 4 - tube furnace, 5 - quartz tube, 6 - vibrator, 7 - concentrator, 8 - inner thermocouple, 9 - outer thermocouple, 10 - molten eutectic Bi -- Cd.

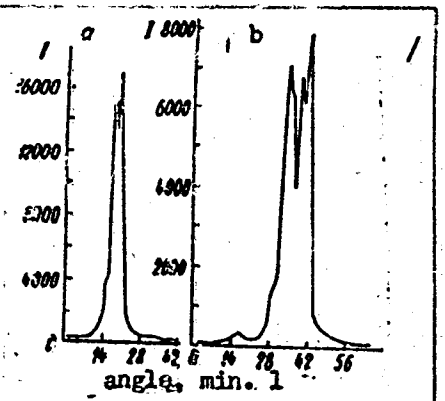

Fig. 2. Curves for double reflection from a single crystal of aluminum. a - before ultrasonic treatment; b - after ultrasonic treatment in the solid phase.

field to a growing aluminum crystal causes a considerable disorientation of the subgrains in the latter. It is suggested that the disorientation effect is caused by the tensions created by the ultrasonic field in the growing crystals. Orig. art. has: 2 tables and 4 figures.

SUB CODE: 20,11 SUBM DATE: 19Jul65/ ORIG REF: 004/ OTH REF: 002

Card 2/2

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204110010-2

TOPIC TAGS: radio astronomy, radio telescope, cosmic radio source, galactic radiation

spectral type S. It is established that the sources bounded by the galactic co-

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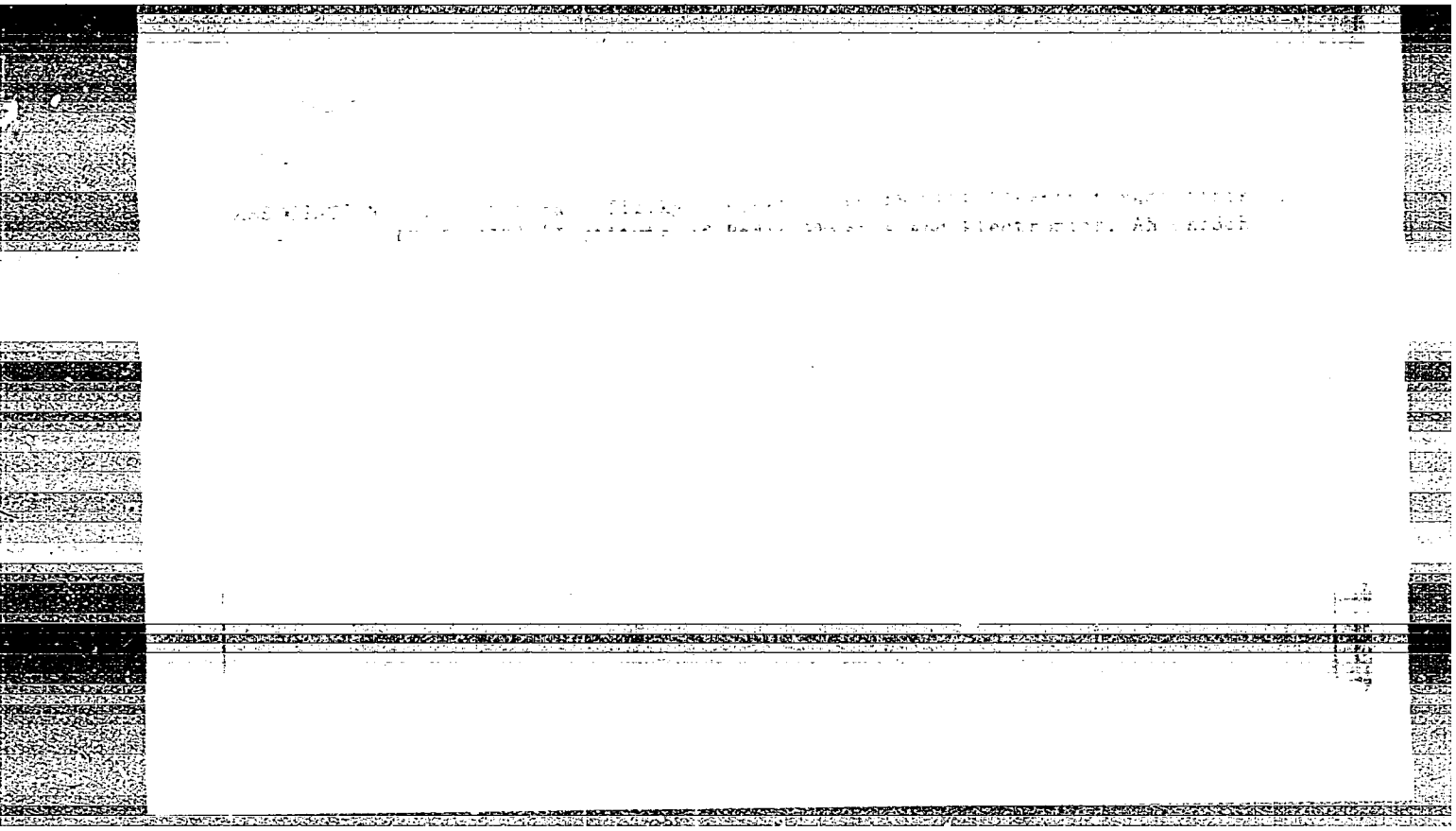

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BAZELYAN, L.L.; BRAUDE, S.Ya.; BRUK, Yu.M.; ZHUK, I.N.; MEN', A.V.; RYABOV, B.P.; SODIN, L.G.; SHARYKIN, N.K.

Radio emission spectra of the discrete sources Cassiopeia-A, Cygnus-A, Taurus-A, and Virgo-A at frequencies of 12.5 to 40 Mc. Izv. vys. ucheb. zav.; radiofiz. 6 no.5:897-903 '63. (MIRA 16:12)

1. Institut radiofiziki i elektroniki AN UkrSSR.

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